

Receiving Report

Date: 10/4/12 Batch No: 114356
 Supplier: Harmanc Key Dart P/O: 11594
 Packing Slip: Yes No
 Invoice: Yes No
 Receipt: Cash Cr
 Release Note Attached: Yes No N/A
 Waybill Attached: Yes No
 Shipment Complete: Yes No N/A
 QC6 Inspection: Yes No N/A
 Work Order: 10/4/13 Yes No N/A
 Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments

Initials of receiver (if shipment OK) Level 12 CZ

Production/Admin:

Date 10/4/13

Location

Received/Costing

Initial CZ

Purchase Order Receipt Listing

Page 1 of 1

April 13, 2010 3:25:36 PM

All amounts are calculated in domestic currency.

All Vendors PO ID po11594 All Receipt Dates All Line Item Types

All Item ID/GL/WOs All Rec. Employees All Currencies

Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID\Vendor Name											
PO11594	1		VC-MAR001 Marmon/Keystone Canada Ltd.	M6061T6T0.500W.0 f 58		4/09/10	4/13/10	300.0000	\$2.20	0.0000	0 \$660.00
CAD	No			6061-T6 RD Tube f .500 x.058W 114356		300.0000	LAVO01		\$660.00	0.0000	0
	2			M304TR0.500W.035 f		4/09/10	4/13/10	100.0000	\$0.98	0.0000	0 \$98.00
	No			304 RD Tube .500 x f .035W 114356		100.0000	LAVO01		\$98.00	0.0000	0
	3			M304R0.375 f		4/09/10	4/13/10	24.0000	\$0.85	0.0000	0 \$20.40
	No			304 ROUND BAR f 0.375 114356		24.0000	LAVO01		\$20.40	0.0000	0
	4			M303R0.750 f		4/09/10	4/13/10	60.0000	\$3.60	0.0000	0 \$216.00
	No			303 Round Bar 0.750 f 114356		60.0000	LAVO01		\$216.00	0.0000	0

Total Received Quantity:	484.0000
Total Qty to Inspect (PO U/M):	0.0000
Total Reject Quantity:	0.0000
Total Receipt Value:	\$994.40
Total Balance Due Quantity:	0.0000

Marmon/Keystone Canada Inc.
 **Specialty Steels**

PACKING SLIP

290 Chemin du Tremblay
 Boucherville QU CAN J4B 5X9
 TEL. 514/527-9153
 FAX. 450/641-4357

PAGE...: 1
 Order : 1086880
 Date..: 04/08/2010

SOLD TO:

DART AEROSPACE LTD
 1270 ABERDEEN STREET

HAWKESBURY ON CAN K6A 1K7

SHIPPED TO:

DART AEROSPACE LTD
 1270 ABERDEEN STREET

HAWKESBURY ON CAN K6A 1K7

<u>SHIP VIA</u> EPIC	<u>F.O.B.</u> BOUCHERVILLE	<u>SALESPERSON</u> G. Dulude	<u>YOUR ORDER NO.</u> 11594	
Ordered	Description	Number Pieces	Quantity Shipped	Back Ordered
01 300 /FT	Fax all papers to Linda Lacelle 613-632-1053 Mill tests required with all shipment ALUMINUM SMLS TUBE ATS .500 .058 D6061 Tariff Number: 7608.20.00.90 Cust. part#: M60061T6T0.500W.058 HT#.....: F00006343 Total...	rev:08/08		
02 100 /FT	STAINLESS STEEL SEAMLESS TUBE SMLS TUBE 304L 1/2 X .035 A213 STS .500 .035 304L Tariff Number: 7304. Cust. part#: M304TR0.500W.035 HT#.....: 872-2788 Total...		25 25	300/FT 300/FT
03 24 /FT	STAINLESS ROUND BAR 304L ROUND BAR CD 3/8" A276 SBR .375 CD 304L Cust. part#: M304R0.375 HT#.....: 423098 Total...		5 5	100/FT 100/FT
04 60 /FT	STAINLESS ROUND BAR SBR .750 CD 303 Cust. part#: M304R0.750 HT#.....: 246473 Total...		2 2	24/FT 6 IN 24/FT 6 IN
			5 5	60/FT10 IN 60/FT10 IN

CY 10/4/12

No. of Bds Crate

0 / 1

Total Weight.....

146

Customers.: _____



Best in Class

CERTIFIED TEST REPORT
<http://Certs.KaiserAluminum.com>

KAISER ALUMINUM
 FABRICATED PRODUCTS, LLC
 6573 W. WILLIS ROAD
 CHANDLER, AZ 85226

CUSTOMER PO NUMBER:		CUSTOMER PART NUMBER:		PRODUCT DESCRIPTION:			
60-8143-1		AT/5.058/734		Seamless Tube/Pipe			
KAISER ORDER NUMBER:	LINE ITEM:	SHIP DATE:	KAISER LOT NUMBER:	ALLOY:	TEMPER:		
204128	001	10/28/2009	F00006343	6061	T6		
WEIGHT SHIPPED:	QUANTITY:	B/L NUMBER:	DIAM/OD/THKNS:	WIDTH:	LENGTH:		
691.000 LB	606.000 PCS	203279			12.000 FT		
SHIP TO:	SOLD TO:						
MARMON/KEYSTONE CORP 10700 MARMON DR BOLINGBROOK, IL 60440 USA	MARMON/KEYSTONE CORP 10700 MARMON DR BOLINGBROOK, IL 60440 USA						

Actual Physical Properties

REFERENCE	DASH#	SAMPLE #	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CON%IACS	BEND
F00006343	0001	1	47.4	44.0	12.0	N/A	N/A	N/A
F00006343	0002	1	48.3	44.9	12.5	N/A	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
D67559	.64	.30	.22	.05	.96	.07	.04	.02	.00	.00	.00	.00	.02

Applicable Requirements:

Description: MADE IN USA

OD: 0.500"; Wall: 0.058"; Round @

AMS-4082P ASTM-B210-04 WW-T-700/6F

WE TAKE EXCEPTION TO PARA. 5.2.1. Per AMS 4082P, WAS NOT OILED.

THE FOLLOWING SPECIFICATION HAVE BEEN MADE INACTIVE OR

CANCELLED: MIL-T-7081, WW-T-700F/GEN, WW-T-700/2E, WW-T-700/3F,

WW-T-700/4F, WW-T-700/5E, WW-T-700/6F, WW-T-700/7B

COMPLIES TO DIN EN 10204 JAN 2005

COMPLIES TO DFAR 252.225-7001 and DFAR 252.225-7014

MARMON / KEYSTONE

Q.C. REVIEWED

DATE INITIAL

6/1/10 JA

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC ('Kaiser') hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms & conditions of sale. Test reports are on file subject to examination.

Chris Garcia, Quality System Engineer

Plant Serial: 00005480

Kaiser Order Number: 204128

Line Item: 001

Page 1 of 2

Christopher J. Garcia
 AT/500.058 D6061 T6



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CERTIFIED TEST REPORT
<http://Certs.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
6573 W. WILLIS ROAD
CHANDLER, AZ 85226

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC ('Kaiser') hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms & conditions of sale. Test reports are on file subject to examination.

Chris Garcia, Quality System Engineer

Christopher J. Garcia

Page 2 of 2

Plant Serial: 00005480

Kaiser Order Number: 204128

Q. C. REVIEWED m: 001

検査成績表

(MILL CERTIFICATE)

需要家：
(CUSTOMER) MARMON/KEYSTONE CANADA

注文者：三京物産株式会社殿

(SUPPLIER) (SANKYO&CO., LTD.)

品名：

(COMMODITY) SEAMLESS STAINLESS STEEL COLD DRAWN TUBE

ASTM/ASME A269/A213/SA213 (A.W.) TP304/304L

契約番号：S99CA16-B

(CONTRACT NO.)

三京不銹鋼管(沈陽)有限公司
SANKYO STAINLESS TUBE(SHEN YANG) CO., LTD.

中国・瀋陽市蘇家屯区玖瑰街115号

(NO.115 MEIGUI STREET, SUJIATUN DISTRICT, SHENYANG, P.R. CHINA)

(CUSTOMER ORDER NO.)

発行日：2009,09,29

(DATE OF ISSUE)

証明書番号：09-0622

(CERTIFICATE NO.)

需要家管理番号：P.O.# BN6415

寸法: 1/2 " OD × 0.035 " WT × 20' LG

(SIZE)

8/10/13

CASE NO.: 05

製作番号 (Mfg. No.) (三京)	ロット番号 (Lot No.)	製造番号 (Mfg. No.)	製鋼番号 (Heat No.)	数量(Quantity)			引張試験(Tension Test)			硬さ試験 (Hardness Test) HRB	結晶粒度 (Grain Size)	へん平試験 (Flattening)	GOOD
				本数 (No. of Pcs.)	重量 (Mass) kg	延長 (Total Lengths) m	0.2%耐力 (0.2% Y.S.) MPa	引張り強さ (T.S.) MPa	伸び (E.) (%)				
(SANKYO)	指定単位(Unit Designated)			本(Pcs.)	kg	m	170	485	35			押し広げ試験 (Flaring)	GOOD
	規格 (Specification)	最小(Min)										外銀寸法試験 (Measurement&surface)	GOOD
09-09-030	02	872-2781		90	144		305	615	60.5	72.0		渦流探傷試験 (Eddy Current)	GOOD
09-09-030	03	872-2781		53	85		300	605	61.0	71.8		検鏡試験 (Microscopic)	—
09-09-054	01	872-2783		16	26		310	610	60.5	72.0		硫酸銅腐蝕試験 (Intergranular Corrosion Test) ASTM A262 PRACTICE E	GOOD
09-09-054	03	3C312		128	205		300	600	61.2	71.5			
		TOTAL		287	460		315	605	59.9	71.5			
							305	600	61.4	72.0			

化学成分表 (Chemical Composition) %									備考(Remarks)
製鋼番号 (Heat No.)	C × 100	Si × 100	Mn × 100	P × 1000	S × 1000	Ni × 100	Cr × 100	Mo × 100	
最小(Min)						800	1800		
最大(Max)	3.5	100	200	45	30	1200	2000		
872-2781	3.0	46	158	28	6	810	1845		QC REVIEWED
872-2783	2.0	38	143	33	12	814	1815		NOV 19 2009
3C312	2.0	35	177	25	1	800	1821		

SOLUTION HEAT TREATMENT:
1100°C × 2.32Min/W.Q
EN-10204-3.1
NACE MR-0175

上記注文品は、御指定の規格又は仕様に従って製造されその要求事項を満足していることを証明します。
(IT IS HEREWITHE CERTIFIED THAT THE ABOVE MATERIALS ARE SATISFACTORY IN COMPLIANCE WITH THE REQUIREMENTS SPECIFIED IN THE CONTRACT.)

総工場長 *...*
(MANAGER OF QUALITY SYSTEM SECTION)

Acciaierie Valbruna s.p.A.



36100 VICENZA (Italia) - Viale della scienza, 25 z.i.
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Cliente / Besteller/Purchaser/Cient
VALBRUNA CANADA LTD
8724 HOLGATE CRESCENT
L5T 5Z1-MILTON, ONT L5T 5Z1-CAN

Produttore: ACCIAIERIE VALBRUNA S.P.A.
Mersteller/Item/Usine productrice

Oggetto Prove: - Annealed Cold Drawn
Prüfgegenstand/Item Inspected/Finissage

Avviso di Spedizione: D-VI09022458
Lieferanzeige/Packing list/B.L.

Ordine nr: 910002421 Stock - Canada
Bestell/Your order/Commando

Tipo di Elaborazione: E+AOD
Eischmelzungsart/Melting process/Mode d'élaboration

CERTIFICATO DI COLLAUDO ABNAHMEPRUEFZEUGNIS INSPECTION CERTIFICATE CERTIFICAT DE RECEPTION EN 10204 (2005), 3.1

Certificato nr: MEST798977/2009/
Prüfung/Test/Essai

Conferma ordine nr: EI09005528
Werks/Our Order/Ref nr.

Marchio di Fabbrica:
Zeichen des Lieferwerkes
Trade mark
Sigle de l'usine producitrice



Punzone del Collaudatore:
Stempel des Werkssachverständigen
Inspector's stamp/Pointon de l'assayeur

Specifiche:
Anforderungen / Requirements / Exigences

VSI 0 304/304L A,CF

AMS-QQ-S-763 B 304 2

ASME SA193 2007 B8 5

ASME SA479 2007 S30400/03 A a

ASTM A262 2002A PRACTICE E

ASTM A320 2008 B8 b

ASTM A479 2008 S30400/03 A

(0) Chemical analysis only.

(2) Chemical analysis only.

(4) SEC.II PT.A 2007 EDITION ADD. 2008a

(5) SEC.II PT.A 2007 EDITION ADD. 2008a

(6) SEC.II PT.A 2007 EDITION ADD. 2008a

(7) Chemical analysis only.

(9) Chemical analysis only.

(B) Chemical analysis only.

AMS 5639 H S30400 o
AMS-QQ-S-763 B 304 3
ASME SA276 2007 S30400/03 A,CF 6
ASTM A182 2009A S30400/03 g
ASTM A276 2008A S30400/03 A,CF
ASTM A370 2009A
MIL-S-862 B/1 304/304L

AMS 5647 H S30403 (1)
ASME SA182 2007 S30400/03 (4)
ASME SA320 2007 B8 (7)
ASTM A193 2009 B8 (A)
ASTM A314 2008 S30400/03
ASTM A473 2001 S30400/03 (C)

1Chemical analysis only.
3Chemical analysis only.
4Chemical analysis only.
5Chemical analysis only.
7SEC.II PT.A 2007 EDITION ADD. 2008a
8SEC.II PT.A 2007 EDITION ADD. 2008a
AChemical analysis only.
CChemical analysis only.

Qualità: 304/304L

Werkstoff/Grade/Alloy

Marca: MVAISL MAXIVAL

Markenbezeichnung/Brand/Nuance

Punzonatura: 304/304L

Kennzeichnung/Marking/Marquage

Pos. nr. Pos. nr. Nr. de poste	Oggetto Geprägt Produkt description Déscrip. du produit	Dimensioni - In Abmessungen Dimension Dimension	Tolleranza Toleranz Allowance Tolerance	Lunghezza - In Länge Length Longueur	Colata Schmelze Heat Coulée	Pezzi Stückzahl Pieces Pièces	Peso - LB Gewicht Weight Poids	Lotto nr. Lotto nr. Lot nr.
0010	Round	0,3750	484-06B	144 / 147	423098		2.202	925801160

Sono state soddisfatte tutte le condizioni richieste

Die gestellten Anforderungen sind erfüllt.

The material has been furnished in accordance with the requirements.

Le matériel a été fourni conformément aux exigences.

Controllo antimolescola: OK

Verweichungsprüfung: spektralanalytisch durchgeführt

Annealing testing performed: OK

Controle antimolé lange fait: r.a.s.

Controllo visivo e dimensionale: soddisfa le esigenze:

Bewilligung und Ausmessung: ohne Beanstandung

Visual inspection and dimensional checks:satisfactory

Contrôle visuel et dimensions: satisfaisant

TEST ALLO STATO DI FORNITURA Test on delivery condition Prüfung auf lieferbereitem produkt test a l'état de fourniture Prueba sobre el material así como entregado										
TEST	Prova/Prüfung Specimen/Échantillon Lang diam. / Durchmesser Width Diam. / Breite Durchm. Lang diam. espais mm	°F Posiz. Saggio Position Eindruck 1)	Snergamento Spanngewicht Sagewicht Rp 0,2% k.s.i.	Snergamento Spanngewicht Sagewicht Rp 0,2% k.s.i.	Resistenza Zugfestigkeit Tensile strength Rm k.s.i.	Allungamento Bruchdehnung Elongation Aelongement	E 4d %	Strizione Einschränkung Reduction of area Section	Resilienza Kerbzähigkeit Impact Value Resilience	Durezza Härte Hardness Durée HB
Valori richiesti 1 Anforderungen/Required values Valeurs demandées	min max	45	-	90	-	30	-	40	-	-
A	8,75	68	L	88		112	35		65	
TEST					min	max	6			258
A	Grain size for ASTM E112									

1)L=longitudinal/tang. T=transversal/quer, O=Tangenziale/tangential

Mechanical properties according to ASTM A370.

Analisi chimica

Chemische Zusammensetzung/Chemical Analysis/Analyse chimique

Colata/Heat Schmelze/Coulée	min - max 0,030	1,00	- 2,00	18,00 20,00	1,00	- 1,00	8,00 10,50	-	0,040	0,020 0,030	- 0,100	-	-	-
423098	C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	P %	S %	N %			
	0,018	0,55	1,90	18,13	0,51	0,60	8,19	0,075	0,025	0,030	0,094			

Produced without class I-II Ozone depleting substances.

Solution heat treated free from continuous carbide network.

Vicenza, 27/10/09

VCC008
(Mod. MCER)

Il collaudatore di stabilimento / der Werkssachverständige / Works inspector / L'agent d'usine

M.Rizzotti

Pagina - 1 di 2

Acciaierie Valbruna s.p.A.



36100 VICENZA (Italia) - Viale della scienza, 25 z.i.

Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Cliente / Besteller/Purchaser/Client

VALBRUNA CANADA LTD

8724 HOLGATE CRESCENT

L5T 5Z1-MILTON, ONT L5T 5Z1-CAN

Produttore: ACCIAIERIE VALBRUNA S.P.A.

Hersteller/Item/Usine productrice

Oggetto Prove: - Annealed Cold Drawn
Produkt/Gegenstand/Item Inspected/Finissage

Avviso di Spedizione: D-VI09022458
Lieferanzeige/Packing list/B.L.

Ordine nr: 910002421 Stock - Canada
Bestell/Your order/Commande

Tipo di Elaborazione: E+AOD
Erschmelzungsart/Melting process/Mode d' elaboration

CERTIFICATO DI COLLAUDO ABNAHMEPRUEFZEUGNIS INSPECTION CERTIFICATE CERTIFICAT DE RECEPTION EN 10204 (2005), 3.1

Certificato nr: MEST798977/2009/
Prüfung/Test/Essai

Conferma ordine nr: EI09005528
Werks/Our Order/Ref n.

Marchio di Fabbrica:
Zeichen des Lieferwerkes
Trade mark
Sigle de l' usine productrice



Punzone del Collaudatore:
Stempel des Werkssachverständigen
Inspector's stamp/Pointon du l' assayeur



Annealing temperature: 1940°F for 0.5 h/water.

Micro and macro etch test: OK

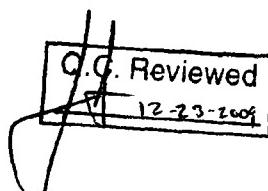
Intergranular corrosion test per ASTM A262 pract. E: ok.

Material is DFARS Compliant

Melted and manufactured in Italy No welding or weld repair Material free from Mercury contamination

We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.

The Quality Management System is Certified acc. Pressure Equipment Directive [97/23/EC] Annex 1.s., 4.3 by TUEV and LLOYD'S



Vicenza, 27/10/09
VC0008
(Mod. MCER)

Il collaudatore di stabilimento / der Werkssachverständige / Works inspector / L' agent d' usine
M. Rizzoli

Pagina - 2 di 2

Acciaierie Valbruna S.p.A.



36100 VICENZA (Italia) - Viale della scienza, 25 z.i.
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Cliente / Besteller/Purchaser/Client
VALBRUNA CANADA LTD
8724 HOLGATE CRESCENT
CDN-MILTON, ONT L5T 5Z1-CAN

Produttore: ACCIAIERIE VALBRUNA S.P.A.
Hersteller/Kunst/Usine productrice

Oggetto Prove: - Annealed Cold Drawn
Prüfgegenstand/Item Inspected/Finisage

Aviso di Spedizione: D-VI08012179
Lieferanzeige/Packing list/B.L.

Ordine nr: 804001953 STOCK
Bestell/Von order/Commande

Tipo di Elaborazione: E+AOD
Eisatzmetzgung/Melting process/Mode d'élaboration

CERTIFICATO DI COLLAUDO ABNAHMEPRUEFZEUGNIS INSPECTION CERTIFICATE CERTIFICAT DE RECEPTION EN 10204 (2005), 3.1

Certificato nr: MEST623833/2008/
Prüfung/Test/Essai

Conferma ordine nr: EI08003081
Werks/Our Order/Ref nr.

Marchio di Fabbrica:
Zeichen des Herstellers/
Trade mark/
Signe de l'usine productrice

Punzone del Collaudatore:
Stampa des Werkssachverständigen/
Inspector's stamp/Emporte de l'essyeur

Specifiche:
Anforderungen / Requirements / Exigences

VAL CANADA 2 303 A,CF
ASTM A314 97 S30300
DOD-F-24669 6 S30300
(0) SEC.IIPT-A 2007 EDITION

AMS 5640 U TYPE1
ASTM A320 2007A B8F
MIL-S-862 B/1 303

ASME SA320 2007 B8F (0)
ASTM A582 2005 S30300
G9-S-764-B/2 303

Qualità: T-303
Material Grade/Number

Marca: MV168ZHS MAXIVAL
Markenbezeichnung/Brand/Name

Punzonatura: T-303
Kennzeichnung/Marking/Marque

Pos. nr. Pos. nr. Nr. de poste	Objetto Gegevens Produktbeschrijving Descriptif du produit	Dimensioni - In Abmessungen Dimensions Dimension	Tolleranza Toleranz Allowance Tolerance	Lunghezza - In Länge Length Longueur	Colata Schmelze Heat Coulée	Pezzi Stückzahl Pieces Peces	Peso - LB Gewicht Weight Poids	Lotto nr. Lothr. Lot nr.
0051	Round	0,7500	484-06B	148 / 148	246473		10.344	734900090

Sono state soddisfatte tutte le condizioni richieste
Die gestellten Anforderungen sind erfüllt.
The material has been furnished in accordance with the requirements.
Le matériau est en conformité avec les exigences.

Controllo antimescalanza: OK
Verwechslungsprüfung: spektralanalytisch durchgeführt
Antimixing testing performed: OK
Contrôle antimélanges fait: r.a.b.

Controllo visivo e dimensionale: soddisfa le esigenze:
Besichtigung und Ausmessung: ohne Beanstandung
Visual inspection and dimensional checks:satisfactory
Contrôle visuel et dimensions: satisfaisant

TEST	Provetta/Probstab Spannung/Tension Längsdurchmesser Breadth Diam. Dicke With diam. Thickness Lang. diam. espais mm	°F Posiz. Soggi Position Temperatur 1)	Shervamento Schwingspannung Vibration Limit elastique Rp 0,2% k.s.i.	Snergamento Spannung Tension Limit elastique	Ritensita Zugfestigkeit Tensile strength Resistance à traction Rm k.s.i.	Allungamento Bruchdehnung Break elongation Allongement	Strizione Ermüdung Reduction and Gönktion RA	Resilienza Kerbsteife Impact Value Resilience	Durezza Härte Härte Dureté HB
Valori richiesti 1 Anforderungen/Required values Values demandées	min max	30	-	75	-	35	-	50	-
A	12,5	68	L	68		101		52	140 241

1)L= longitudinale/länge. Q=transversale/tangential. T=tangenziale/tangential

Analisi chimica

Chemische Zusammensetzung/Chemical Analysis/Analyse chimique

Colata /Heat Schmelze/Coulée	min - max 0,150	1,00	2,00	17,00 19,00	0,60	1,00	8,00 10,00	-	0,15	0,40	0,40	-	-	-	-
246473	C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	P %	S %	Zr %				
	0,040	0,42	1,74	17,20	0,51	0,49	8,21	0,100	0,03	0,32	0,01				

Produced without class I-II Ozone depleting substances.

Solution heat treated free from continuous carbide network.

Annealing temperature: 1940°F for 0.5h/water.

Micro and macro etch test: OK

Material is DFARS Compliant

Melted and manufactured in Italy No welding or weld repair Material free from Mercury or radio-activity contamination
The Quality Management System is Certified acc. Pressure Equipment Directive [97/23/EC] Annex 1.a.,4.3 by TUEV and LLOYD'S

O.C. Reviewed
06/27/08

Vicenza, 30/04/08 VC0008 (Mod. MCER)	Il collaudatore di stabilimento / der Werkssachverständige / Works Inspector / L'agent d'usine M.Rizzotti/Rizzotti	Pagina - 1 di 1
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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO11594

Purchase Order Date 4/06/10
PO Print Date 4/06/10

Page Number 1 of 2

Order From :

MARMON/KEYSTONE CANADA LTD.
290 CHEMIN DU TREMBLAY
BOUCHERVILLE, QC J4B 5X9
CA

VC-MAR001

FAXED
4/6/10

Contact Name	Buyer	Chantal Lavoie
Vendor Phone	Requisition Nbr	
Vendor Fax	Tax Resale Nbr	10127-2607
Vendor Account Nbr	Terms	Net 30
	Currency	CAD
	FOB	

Ship To : DART AEROSPACE LTD 1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Line Nbr	Reference Revision ID	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
	Vendor Part Number						
1	M6061T6T0.500W.058	6061-T6 RD Tube .500 x.058W	4/09/10	300.00	Epic ppd	\$2.2000	\$660.00
			Yes	f			
2	M304TR0.500W.035	304 RD Tube .500 x .035W	4/09/10	100.00	Epic ppd	\$0.9800	\$98.00
			Yes	f			
3	M304R0.375	304 ROUND BAR 0.375	4/09/10	24.00	Epic ppd	\$0.8500	\$20.40
			Yes	f			

Special Inst: MATERIAL: 6061-T6 OR 6061-T62
TUBING PER
WW-T-700/6 OR AMS 4080 OR AMS 4082
OR
QQ-A-200/8 OR QQ-A-225/8

Special Inst: MATERIAL: AISI 304/316 SS SEAMLESS
ROUND TUBING AS PER ASTMA213 OR
ASME SA213 OR ASTMA269

**MATERIAL CERTIFICATION
REQ'D UPON DELIVERY**

CY10412

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 1

Change Date: 4/06/10



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO11594**

Purchase Order Date 4/06/10
PO Print Date 4/06/10

Page Number 2 of 2

Order From :

VC-MAR001

MARMON/KEYSTONE CANADA LTD.
290 CHEMIN DU TREMBLAY
BOUCHERVILLE, QC J4B 5X9
CA

Contact Name

Vendor Phone 800 361 8142

Vendor Fax 450 641 4357

Vendor Account Nbr

Buyer Chantal Lavoie

Requisition Nbr

10127-2607

Tax Resale Nbr

Net 30

Terms

CAD

Currency

FOB

Special Inst: MATERIAL: AISI 304/316 SS ROUND

BAR AS PER

ASTM A276

(NOTE: AISI 303 NOT ACCEPTABLE)

4	M303R0.750 ✓	303 Round Bar 0.750	4/09/10	60.00	Epic ppd	\$3.6000	\$216.00
			Yes	f			

Special Inst: MATERIAL: AISI 303 SS ROUND BAR

AS PER ASTM A582

(NOTE: AISI 304/316 NOT ACCEPTABLE)

PO Total: \$994.40

CD1014112

MATERIAL CERTIFICATION
REQ'D UPON DELIVERY

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consent.

Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 1

Change Date: 4/06/10